APPARATUS FOR REMOVING THE TIPS OF TABLET PUNCHES

Abstract of the Disclosure

A machine for removing the tips of tablet punches includes a housing that contains a turret that is rotated about a substantially vertical axis and a cutting wheel. The turret supports a plurality of tablet punches in a substantially vertical position with the tips of the punches being exposed below the turret. A plurality of circular plates that can be positioned on top of the turret act as shims to adjust the length of the tip that is exposed. A cutting wheel is positioned below the turret and is located in a position so as to be in the path of the tips as the turret rotates. A motor rotates the cutting wheel so that the tips are removed from the punches as they are rotated into the path of the wheel. The turret rotates at a relatively low speed and the cutting wheel rotates at a relatively high speed. A nozzle is directed to the position where the cutting wheel engages the tips of the punches and sprays a cooling fluid in order to cool the cutting wheel and tips to prevent overheating thereof. A watertight tank accessible from the rear of the housing surrounds the lower portion of the turret and collects the spent fluid along with the metal filings and grindings from the cutting wheel.